

GPR83 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10416**Specification**

GPR83 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	Q9NYM4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa
Dilution	IHC-P~~N/A

GPR83 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 10888**Other Names**

Probable G-protein coupled receptor 83, G-protein coupled receptor 72, GPR83, GPR72, KIAA1540

Target/Specificity

Human GPR83. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR83 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR83 Antibody (Cytoplasmic Domain) - Protein Information**Name** GPR83 ([HGNC:4523](#))**Function**

G-protein coupled receptor for PEN, a neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)- and G(q)-alpha-alpha-mediated pathway in response to PEN (PubMed:27117253). Plays a role in food intake and body weight regulation. May contribute to the regulation of anxiety-related behaviors (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P30731}; Multi-pass membrane protein.
Note=Colocalizes with GPR171 in the paraventricular nucleus. Colocalizes with the ghrelin receptor GHSR1A in the hypothalamus. {ECO:0000250|UniProtKB:P30731}

Tissue Location

Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

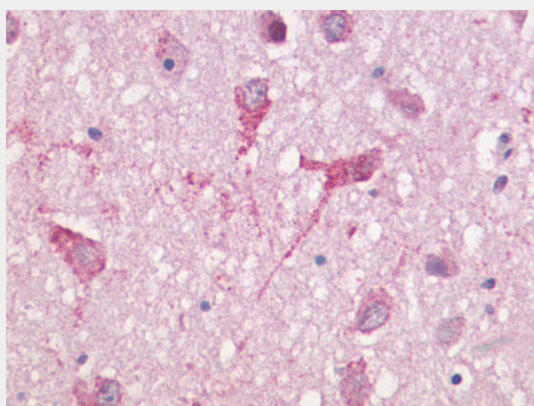
Volume

50 µl

GPR83 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR83 Antibody (Cytoplasmic Domain) - Images

Anti-GPR83 antibody ALS10416 IHC of human brain, neurons and neuropil.

GPR83 Antibody (Cytoplasmic Domain) - Background

Orphan receptor. Could be a neuropeptide Y receptor.

GPR83 Antibody (Cytoplasmic Domain) - References

Parker R., et al. Biochim. Biophys. Acta 1491:369-375(2000).
Nagase T., et al. DNA Res. 7:143-150(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Kaighin V.A., et al. Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.